

NIMC Web



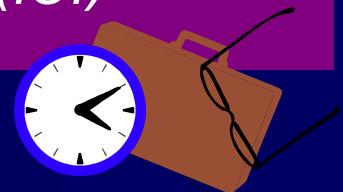
Agenda

Part I. *Understand web server architecture, proprietary considerations, plug-in and peripheral software issues, and web-browser issues*

Part II. *Understand the WWW, SBU/OSIS, SCEN/SIPRnet/ and Aqua/JWICS domains*

Part III. *Receive a preview of our NIMC-sponsored web sites (NIMC, TD, TRMB, etc.) – history, design considerations, features, future initiatives*

Part IV. *Receive an introduction of the NIMC web database & discuss the Items of Information (IOI) database and demonstrate its use*



NIMC Web Site Goals

- Allow *seamless access* of NIMC information to NIMA, DoD and Other Government Agencies.
- Provide *timely, accurate and relevant information* to our web site users
- Follow NIMA guidance regarding web-based media
- Retain *common look & feel*
- Retain design and functional aspects of NIMC web site *across each domain* (world-wide web, NIMA intranets, intelink, etc.)



Web Committee Goals

(at the beginning)

- Introduce/meet with members.
- Educate members on:
 - *Web development basics.*
 - *NIMA policy regarding web media.*
 - *Current web site configuration and functionality.*
 - *Procedures.*
 - *Conduct "tech sessions" to broaden skills.*
- Establish working group objectives (these will help refine *future goals*).



NIMC Web - Part I

An Overview

Dealing with today's limitations - thinking about tomorrow's possibilities...

NIMA Web Server Family

- UNIX

□ Prolific - widely available across the NIMA web community.

- Windows

□ Available with special request - not yet widely supported across all domains.

*Current emphasis is to develop based on the **UNIX** environment*

- Consistent environment
- Less-complicated maintenance
- Easier to gauge server responses



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Proprietary Concerns

(server-side)

- UNIX
 - No proprietary technology used
 - Supports common scripts (PERL, etc) and

Java

- Windows
 - Supports Active Server Page (ASP)
 - Supports common scripts (PERL, etc.)

• ASP non-availability on other domains requires alternate means to post information.

• multi-development strategies can be time consuming and difficult to maintain

BOTTOM LINE...

To ensure seamless support across all NIMA web domains, a technology base that is non-proprietary is most preferred.



Proprietary Concerns

(Client-Side)

Web Browsers

- Netscape

- Available on all NIMA workstations (UNIX and MS Windows, Mac)
- Agency Standard (version 4.7)
- Requires proxy settings for smooth WWW connectivity



- MSIE

- Available on most NIMA workstations (MS Windows only)
- Requires proxy settings for smooth WWW connectivity

Multiple operating systems dictate which browser to base development on.

Agency's browser preference also influences use of technology.

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Proprietary Concerns

(Client-Side)

Web Browsers

- Netscape



- MSIE

• Different behaviors, features, capabilities

Standard practice is to test against both major web browsers...

The rule is - if it "works" in both, then it's **OK** to use within web products.



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Using "Plugins"

What Plugins do...

- Plugins provide **enhanced functionality** to web browsers.
- Plugins are **sometimes included** within web browser's software.
- Plugins can be **downloaded and installed** via internet connections



What the risks are...

- If plugins are **not installed**, functionality **does not work**.
- **Sys admin may remove plugins** from web browser's plugin folder after install.
- Downloading and installation **may not be a user option** based on sys admin settings.

Using "Plugins"

Common Plugins...

- PDF Viewer (Adobe Acrobat Reader ©)
 - *Provides in-browser viewing of portable Document Format documents (i.e., NIMA Edge)*

Acrobat Reader is *usually* installed on all NIMA workstations...

...Plugins are not all-the-time configured to produce "in-browser" utility.

If not configured for in-browser use, then Acrobat Reader launches *independently*.



Using "Plugins"

Common Plugins...

- Macromedia Flash
 - *Provides animation and eye-catching enhancements to web pages.*
 - *Navigational elements allow smooth transitions to related information.*

If plugin is not installed, embedded Flash elements will be invisible, appear as "broken" to the user, or cause error prompts to appear.



Using "Plugins"

Related to plugins
are..Web players

- *Real Player/MS Media player/Quicktime - provides audio and video across internet connection*
- *Macromedia Web player - provides*

All of these players:

- rely on **proprietary** standards,
- are **not always supported** on varying platforms (UNIX, Windows, or Mac),
- are sometimes **cumbersome to download** (very large byte-rate) and **difficult to install** on client workstations.



Bottom Line

- **Identify** what your web server can and can't do.
- **Identify** your **prime** web site audience; know what they will use to view your information (workstation profile, web browser and associated software (*plugins & web players*))
- **Plan** for the distribution of required plugins, etc., - accept the risks if some can not obtain.
- **Tailor** your web-media to meet both web-server and web-audience requirements.
- **Reuse & share** data & technology (when feasible) among various web environments.

NIMC Web - Part II



NIMC Web sites

NIMC hosts information on three primary domains

SBU - SIPRnet - JWICS

1. NIMA SBU (sensitive but unclassified) and OSIS (open source information system)

- information is unclassified - FOUO
- NIMA SBU is a local area network (LAN) that allows users to view into OSIS intranet and wide-world web internet
- OSIS is a carrier for open source intelligence information, conveyed via intranet - not accessible to the public



NIMC Web sites

NIMC hosts information on three primary domains

SBU - **SIPRnet** - JWICS

2. SIPRnet

- Information can be classified up to secret collateral.
- Users must be on NIMA SCEN or SIPRnet workstation to view information.



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NIMC Web sites

NIMC hosts information on three primary domains

SBU - SIPRnet - **JWICS**

3. JWICS

- Information can be classified up to top secret - SCI.
- Users must be on NIMA Aqua or JWICS workstation to view information.



What about world-wide web?

- NIMC does not currently have a WWW site.
- NIMA Public Affairs Office reviewed NIMC information in March 2000 and determined it to be "FOUO."

If you want to host your information on WWW...

- Review NI 5720.1R3 "NIMA Instruction for Clearance for Public Release"
- Review and approval by NIMA Public Affairs Office is required "...even if access ... is restricted by use of blind URLs, passwords, and/or domain restrictions."



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Classified Domain Issues

- SIPRnet vs NIMA SCEN
 - *Both have their own web servers*
 - *To host on SIPRnet means that your information is normally accessible to NIMA, DoD organizations, and other government agencies (NSA, DIA, FBI, etc.) with classified access up to secret.*
 - *To host on NIMA SCEN means that your information is normally available to NIMA only.*



Remember - NIMA SCEN users can view into SIPRnet.

Classified Domain Issues

- JWICS vs NIMA Aqua
 - *Both have their own web servers*
 - *To host on JWICS means that your information is normally accessible to NIMA, DoD organizations, and other government agencies (NSA, DIA, FBI, etc.) with classified access up to TS-SCI*
 - *To host on NIMA Aqua means that your information is normally available to NIMA only.*



Remember - NIMA Aqua users can view into JWICS.

Know your intended audience!

Pertaining to our classified domains...

If only NIMA needs to view your information:

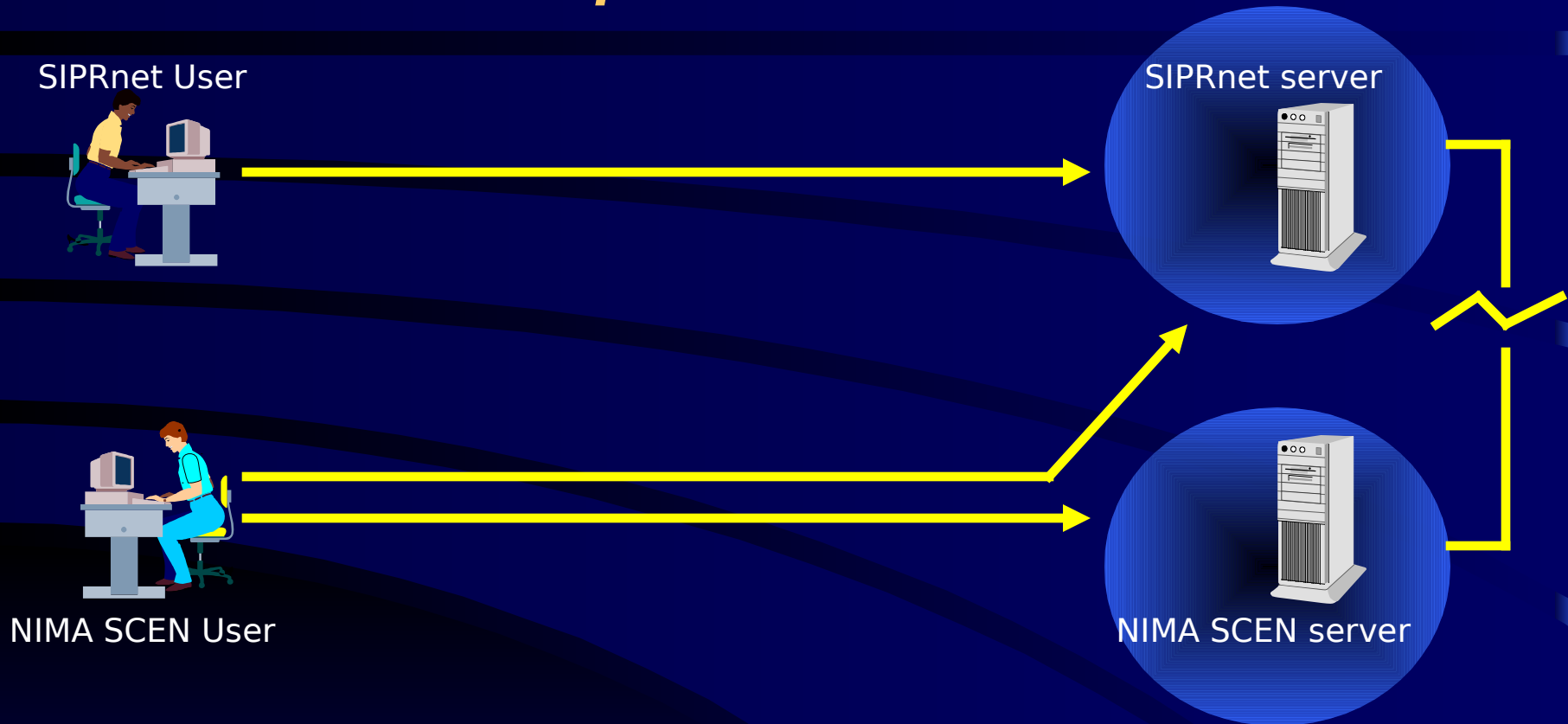
- host web pages on NIMA SCEN or Aqua*

- *If outside agencies need to view your information:*

- host on SIPRnet and/or JWICS*



Keep in mind...



Same applies for NIMA Aqua vs JWICS users

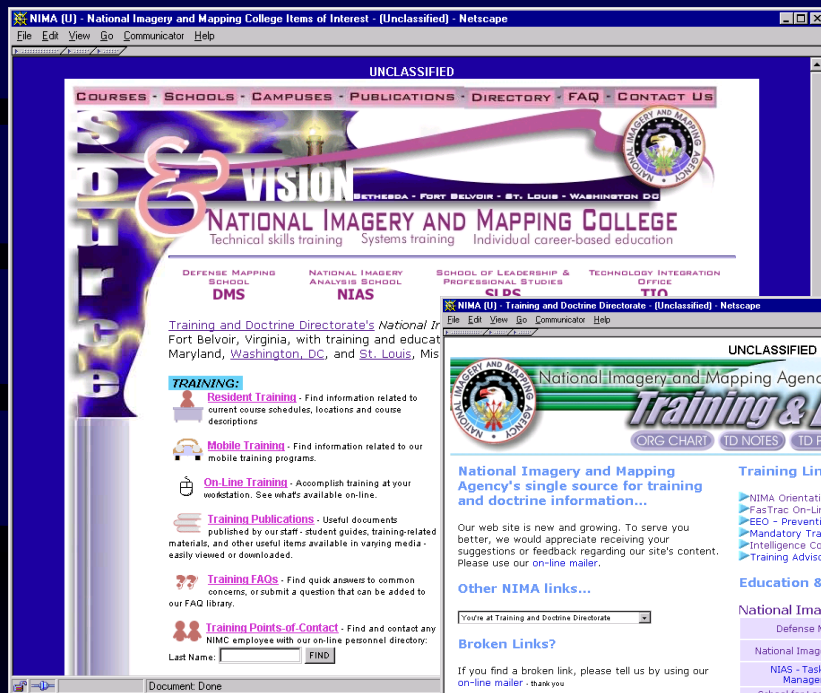
Bottom Line - Part II

- Ensure customer access - host web media where **most** can view and use.
 - *NIMA SCEN can look into SIPRnet; not vice-versa.*
 - *NIMA Aqua can look into JWICS; not vice-versa.*
- Ensure information is reviewed by NIMA Public Affairs Office **prior** to hosting on public web site (WWW)

NIMC Web - Part III



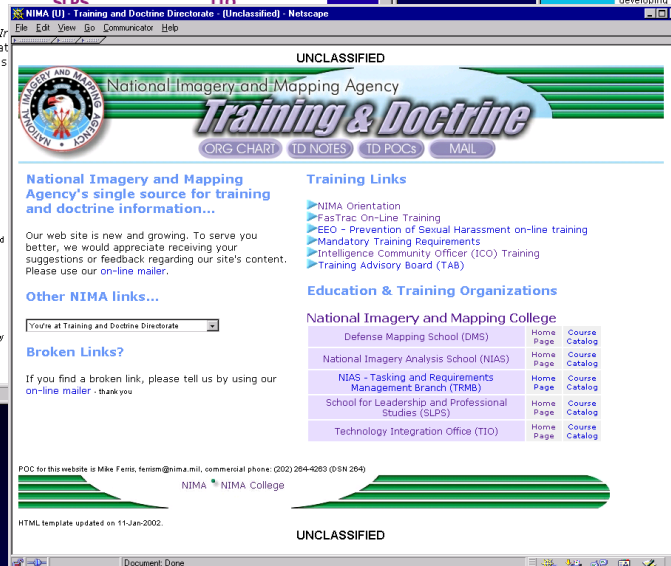
Preview of NIMC Web Sites



NIMA College



NIAS - Tasking & Requirements Management Branch



NIMA Training & Doctrine Directorate

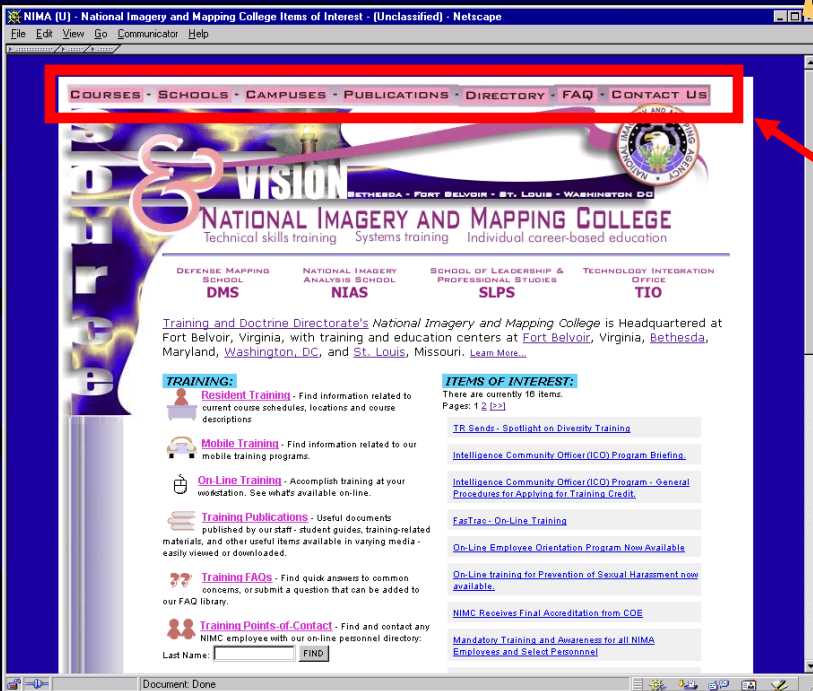
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Preview of NIMC Web Sites

NIMA College (NIMC)

Top menu - provides navigation to site's main features



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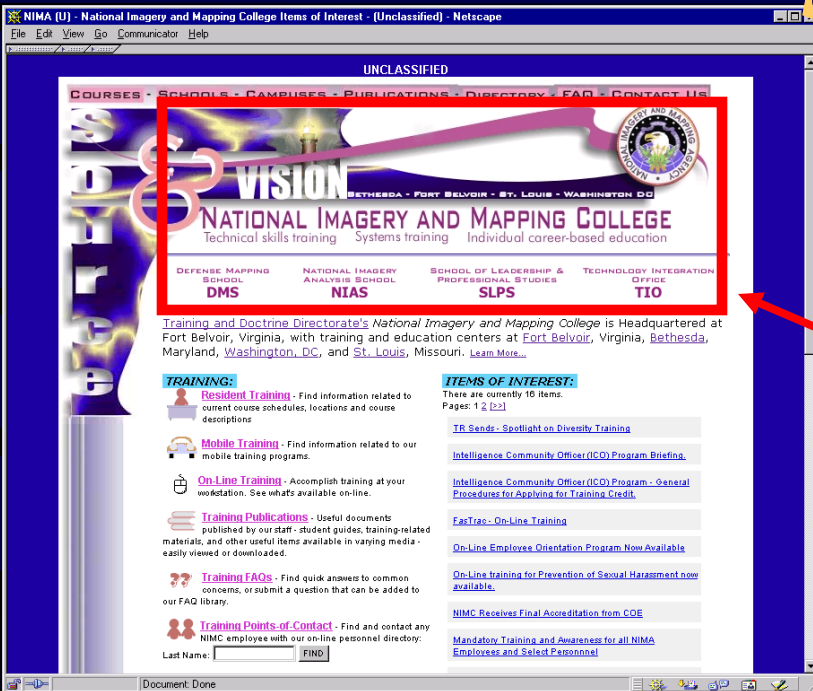
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Preview of NIMC Web Sites

NIMA College (NIMC)

Top menu - provides navigation to site's main features

Titles, labels and seals provide navigation to related information pages



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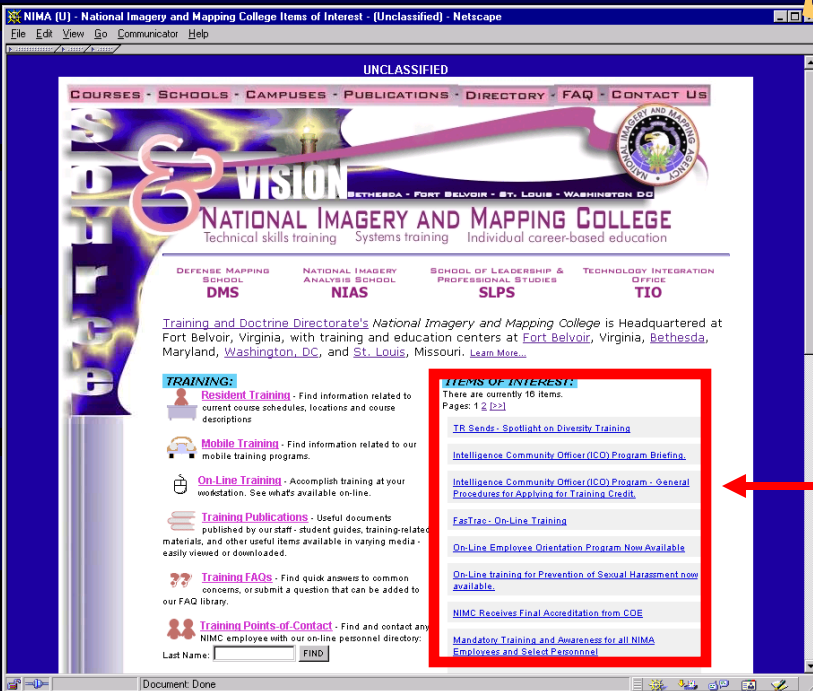
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NIMA College (NIMC)

Top menu - provides navigation to site's main features

Titles, labels and seals provide navigation to related information pages

"Dynamic" information, gleaned from on-line database.



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NIMC Web
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Preview of NIMC Web Sites

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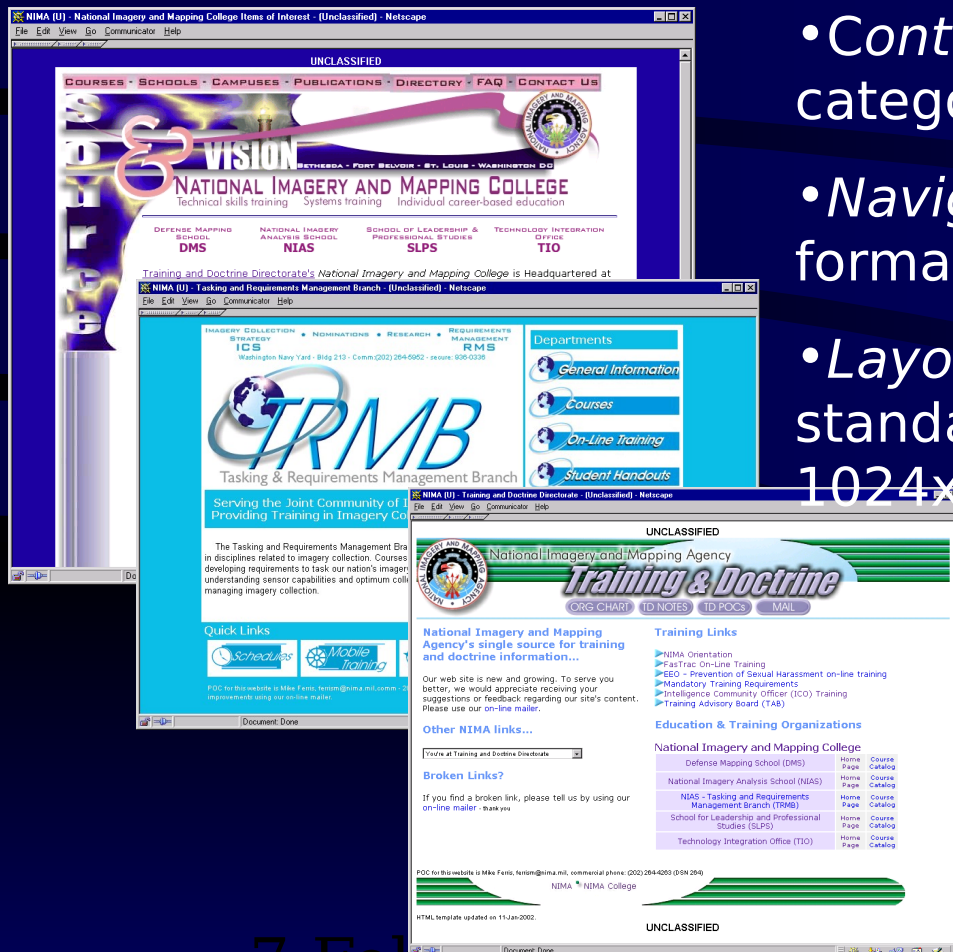
Titles, labels and seals provide navigation to related information pages

"Dynamic" information, gleaned from on-line database.

Redundant links to site's main features - alternate means of identifying for the user "places to go."



Common Design Elements



- Content is organized into categories.
- Navigation provided via multiple formats (icon, text, menu bars).
- Layout designed to "fit" within a standard screen resolution of 1024x768.
- Single data source dynamically creates relevant pages on each site.
- Each conforms to NIMA style-guide standards

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NIMC Web



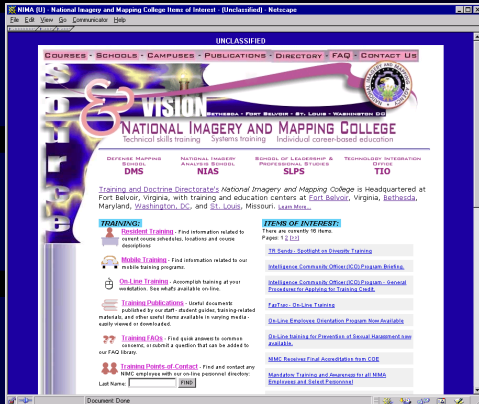
NIMC Web - Part IV

DATABASE HIGHLIGHT

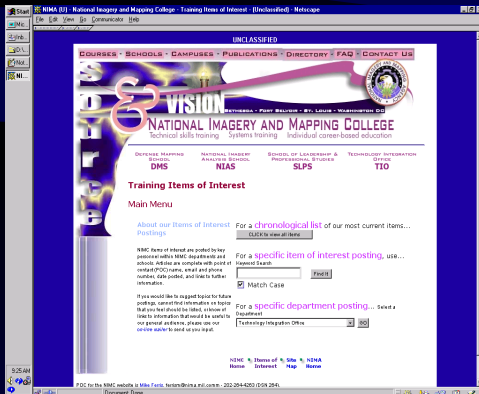
Database Highlight

(Items of Interest (IOI) database)

Home Page View



- Designated users can post, modify, and delete IOI postings
- "Newest" posting always displayed at top of list
- List can display all postings, or only those with active dates beyond "today."
- Once posted, IOI article appears on all "connected" NIMC-sponsored web sites, tailored to web-site's appearance.
- Each TD/NIMC organization can request access privileges for posting articles.



IOI Main Menu View

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NIMC Web



Bottom Line - Part IV

- Post timely information **easily**; easily modified and instantly updated if changes occur.
- IOI postings are **automatically** ported to all other NIMC-sponsored web sites (multiple coverage for your programs, events, and activities).
- To gain access, contact NIMC web POC.

NIMC Web



Next Meeting...

- Tentative - 14 Mar 2002
- Location - TBD
- Tentative Topics:
 - *NIMA Web Style Guide and all it entails*
 - *Web terminology and techniques*
 - *Tips and tools to author your own web pages*
 - *Net Meeting - expand its use here?*
 - *Web site improvements, expansions, and ...?*

